

1. **(Currently Amended)** A process for preparing a catalyst composite useful for alkylaromatic onversion, the said process comprising
contacting an intermediate pore metallosilicate with an organosilicon compound in a
solvent for a specific duration and then recovering the solvent
combining the organosilicon compound treated metallosilicate with water and then drying
the catalyst
repeating the steps a) and b) above
calcining the catalyst in an oxygen containing atmosphere sufficient to remove the
organic material and deposit siliceous matter on the metallosilicate.
wherein in said process calcining step d) is not repeated after each of step a) + b).
2. **(Original)** A process as claimed in claim 1 wherein said organosilicon compound is water insoluble.
3. **(Original)** A process as claimed in claim 2 wherein the said organosilicon compound is tetraalkoxy silane.
4. **(Original)** A process as claimed in claim 3 wherein the said tetraalkoxy silane is tetraethoxy silane.
5. **(Original)** A process as claimed in claim 1 wherein the said solvent is selected from lower aliphatic alcohols, C₅-C₁₀ saturated linear or cyclic hydrocarbons, C₆.C₈ aromatics or mixture thereof.
6. **(Original)** A process as claimed in claim 5 wherein the said solvent is a mixture of toluene and methanol.
7. **(Original)** A process as claimed in claim 1 wherein the concentration of the organosilicon compound in said solvent is in the range of 1 to 25 percent by weight.
8. **(Original)** A process as claimed in claim 1 wherein the said metallosilicate is treated with the organosilicon compound containing solution for 0.5 to 24 hours.
9. **(Original)** A process as claimed in claim 1 wherein the said solvent is recovered after metallosilicate is treated with the organosilicon compound containing solution.
10. **(Previously Amended)** A process as claimed in claim 1 wherein amount of said water is in the range of from 1 to 200 percent of the mass of the metallosilicate.
11. **(Currently Amended)** A process as claimed in claim 1 wherein the said water combined

metallo-silicate composite is dried at a temperature of from 10 to 150°C. [[,]]

12. **(Original)** A process as claimed in claim 1 wherein the said water combined metallo-silicate composite is dried at a temperature of 50 to 150°C.

13. **(Original)** A process as claimed in claim 11 wherein the said water combined metallo-silicate composite is dried at a temperature of from 80 to 130°C.

14. **(Previously Amended)** A process as claimed in claim 11 wherein the said wet metallo-silicate composite is dried for from 1 to 20 hours.

15. **(Original)** A process as claimed in claim 1 wherein the step a) and step b) are repeated more than once.

16. **(Original)** A process as claimed in claim 1 wherein the solvent recovered is reused.

17. **(Original)** A process as claimed claim 1 wherein the said calcination is carried out at a temperature in the range of from 160 to 800°C.

18. **(Original)** A process as claimed claim 17 wherein the said calcination is carried out at a temperature in the range of from 300 to 600°C.

19. **(Original)** A process as claimed claim 17 wherein the said calcination is carried out at a temperature in the range of from 400 to 550°C.

20. **(Cancelled)**

21. **(Currently Amended)** A process for preparing a catalyst composite useful for alkylaromatic conversion, the said process comprising

contacting an intermediate pore metallo-silicate with a water insoluble organosilicon compound in a solvent and then recovering the solvent

combining the organosilicon compound treated metallo-silicate with water, the amount of water employed being in the range of from 1 to 200 percent of the mass of said metallo-silicate,

drying the product from step b) at a temperature in the range of 10 to 150°C;

repeating the steps a), and b) and c) above

calcining the product in an oxygen containing atmosphere at a temperature in the range of 160 to 800°C sufficient to remove the organic material and deposit siliceous matter on the metallo-silicate.

wherein in said process calcining step e) is not repeated after each of step a) + b) + c).

22. **(Currently Amended)** A process for preparing a catalyst composite said process comprising

- contacting an intermediate pore metallosilicate with an organosilicon compound in a solvent for a specific duration and then recovering the solvent
drying the catalyst
repeating the steps a) and b) above
calcining the catalyst in an oxygen containing atmosphere sufficient to remove the organic material and deposit siliceous matter on the metallosilicate.
wherein in said process calcining step d) is not repeated after each of step a) + b).
23. **(Original)** A process as claimed in claim 22, wherein said organosilicon compound used is water soluble.
24. **(Currently Amended)** A process ~~as claimed in claim 22~~ for preparing a catalyst composite
said process comprising
contacting an intermediate pore metallosilicate with an organosilicon compound in a
solvent for a specific duration and then recovering the solvent
drying the catalyst
repeating the steps a) and b) above
calcining the catalyst in an oxygen containing atmosphere sufficient to remove the
organic material and deposit siliceous matter on the metallosilicate;
wherein the said organosilicon compound is aminoalkyl trialkylsilane
25. **(Currently Amended)** A process ~~as claimed in claim 24~~ for preparing a catalyst composite
said process comprising
contacting an intermediate pore metallosilicate with an organosilicon compound in a
solvent for a specific duration and then recovering the solvent
drying the catalyst
repeating the steps a) and b) above
calcining the catalyst in an oxygen containing atmosphere sufficient to remove the
organic material and deposit siliceous matter on the metallosilicate;
wherein the said ~~aminoalkyl trialkylsilane~~ organosilicon compound is 3-aminopropyl triethoxysilane.
26. **(Original)** A process as claimed in claim 22 wherein the said solvent is selected from lower aliphatic alcohols, C₅-C₁₀ saturated linear or cyclic hydrocarbons, C₆-C₈ aromatics or mixture thereof and water.

27. **(Original)** A process as claimed in claim 22 wherein the said solvent is water.
28. **(Previously Amended)** A process as claimed in claim 22 wherein the concentration of the organosilicon compound in said solvent is in the range of 1 to 99% by weight.
29. **(Original)** A process as claimed in claim 22 wherein the said metallosilicate is treated with the organosilicon compound containing solution for 0.5 to 24 hours.
30. **(Original)** A process as claimed in claim 22 wherein the said solvent is recovered after metallosilicate is treated with the organosilicon compound containing solution.
31. **(Original)** A process as claimed claim 22 wherein the said organosilicon compound treated metallosilicate composite is dried at a temperature form 10 to 150°C.
32. **(Original)** A process as claimed in claim 22 wherein said water treated metallosilicate composite is dried for at least 1 hour.
33. **(Original)** A process as claimed in claim 22 wherein the step a) and step b) are repeated at least once.
34. **(Original)** A process as claimed in claim 22 wherein the solvent recovered from the silanation step is reused for further silanation.
35. **(Currently Amended)** A process as claimed in claim 22 wherein the said calcination in said oxygen containing atmosphere is carried out at a temperature in the range 160 to 800°C.
36. **(Previously Amended)** A process as claimed in claim 22 wherein the said metallosilicate comprises a member of the pentasil family.
37. **(Currently Amended)** A process ~~as claimed in claim 36~~ for preparing a catalyst composite useful for alkylaromatic conversion, the said process comprising
contacting an intermediate pore metallosilicate with an organosilicon compound in a
solvent for a specific duration and then recovering the solvent
combining the organosilicon compound treated metallosilicate with water and then drying
the catalyst
repeating the steps a) and b) above
calcining the catalyst in an oxygen containing atmosphere sufficient to remove the
organic material and deposit siliceous matter on the metallosilicate;
 wherein the metallosilicate comprises a member of the pentasil family selected from the group consisting of: Ga-ZSM-5, Fe-ZSM-5, B-ZSM-5, Ga-Al-ZSM-5, Fe-Al-ZSM-5, B-Al-ZSM-5.

38. **(Currently Amended)** A process as claimed in claim ~~36~~37 wherein said metallosilicate is Ga-Al-ZSM-5 having silicon to aluminium ratio in the range of 150 to 600 and silicon to gallium ratio is in the range of 500 to 2000.

39. **(Currently Amended)** A process ~~as claimed in claim 37~~ for preparing a catalyst composite useful for alkylaromatic conversion, the said process comprising
contacting an intermediate pore metallosilicate with an organosilicon compound in a
solvent for a specific duration and then recovering the solvent
combining the organosilicon compound treated metallosilicate with water and then drying
the catalyst
repeating the steps a) and b) above
calcining the catalyst in an oxygen containing atmosphere sufficient to remove the
organic material and deposit siliceous matter on the metallosilicate;
wherein said metallosilicate is Ga-Al-ZSM-5 having silicon to aluminium ratio in the range of 150 to 600 and silicon to gallium ratio is in the range of 500 to 2000.

40.-49. **(Canceled)**

50. **(Currently Amended)** A process for preparing a composite comprising the said process comprising

- a) contacting an intermediate pore metallosilicate with a water soluble organosilicon compound in a solvent and then recovering the solvent
- b) drying the product from step a) at a temperature in the range of 10 to 150°C;
- c) repeating the steps a) and b) above
- d) calcining the product in an oxygen containing atmosphere at a temperature in the range of 160 to 800°C sufficient to remove the organic material and deposit siliceous matter on the metallosilicate;

wherein in said process calcining step d) is not repeated multiple times after each of steps a) + b).

51. **(Previously Added)** A process as claimed in claim 1 wherein amount of said water is in the range of from 2 to 100% of the mass of the metallosilicate.

52. **(Previously Added)** A process as claimed in claim 1 wherein amount of said water is in the range of from 5 to 90% of the mass of the metallosilicate.

53. **(Previously Added)** A process as claimed in claim 22 wherein the concentration of the

- organosilicon compound in said solvent is in the range of 2 to 50% by weight.
54. **(Previously Added)** A process as claimed in claim 22 wherein the concentration of the organosilicon compound in said solvent is in the range of 5 to 25% by weight.